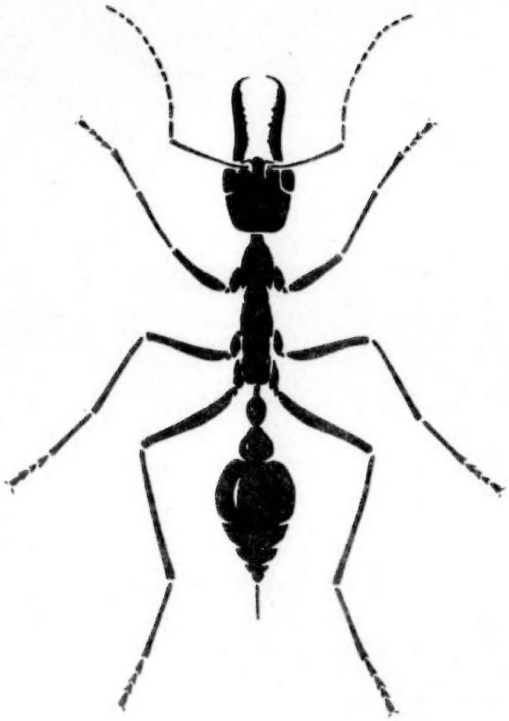
Australian Entomological Society



News Bulletin

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AUSTRALIAN ENTOMOLOGICAL SOCIETY

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New South Wales:	Mr. D.R. Smith
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Tasmania:	Mrs. M.A. Williams
South Australia:	Mr. D. Hopkins
Western Australia:	Dr. J.D. Majer
Papua New Guinea:	Dr. E.J. Brough

REPRESENTATIVE COUNCILLORS

Entomological Society of Queensland:	Dr. E.M. Exley
Entomological Society of Victoria:	Dr. T.R. New
Royal Zoological Society of N.S.W.:	Mr. C.E. Chadwick
Entomological Society of Australia (NSW):	Dr. A.D. Clift

ADDRESS FOR CORRESPONDENCE

Society Executive)
News Bulletin Editor)

c/o Plant Research Institute,
Swan Street, Burnley, Vic. 3121

ADDRESSES OF REGIONAL COUNCILLORS

Qld. Mr. A.P. Walford-Huggins, P.O. Box 17, Molloy, Queensland, 4880.

Dr. E.N. Marks, Queensland Institute of Medical Research, Branston Terrace, Herston, Queensland, 4006.

N.S.W. Mr. D.R. Smith, C.S.I.R.O. Division of Applied Organic Chemistry, c/o School of Zoology, University of N.S.W., P.O. Box 1, Kensington, New South Wales, 2033.

Mr. N.W. Forrester, Agricultural Research Centre, R.M.B. 944, Tamworth, New South Wales, 2340.

A.C.T. Dr. R.W. Taylor, Division of Entomology, C.S.I.R.O., P.O. Box 1700, Canberra City, A.C.T., 2601.

Dr. J.A. Harris, Canberra College of Advanced Education, P.O. Box 381, Canberra City, A.C.T., 2601.

Vic. Dr. G. Ettershank, Department of Zoology, Monash University, Clayton, Victoria, 3168.

Mr. A.A. Calder, Department of Entomology, National Museum of Victoria, 71 Victoria Crescent, Abbotsford, Victoria, 3067.

Tas. Mrs. M.A. Williams, Department of Agriculture, St. John's Avenue, New Town, Tasmania, 7008.

S.A. Mr. D. Hopkins, Department of Agriculture & Fisheries, Northfield Laboratories, G.P.O. Box 1671, Adelaide, South Australia, 5001.

W.A. Dr. J.D. Majer, Department of Biology, W.A. Institute of Technology, Hayman Road, South Bentley, Western Australia, 6102.

P.N.G. Dr. E.J. Brough, Biology Department, University of Papua New Guinea, Box 4820, University P.O., Papua New Guinea.

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EXECUTIVE REPORT

Meetings:

The Executive met on 28th June, 1979.

Membership:

Since the last report, 5 members have been elected. Total membership now stands at 592 and the geographical distribution is as follows:

NSW	129	VIC	84	TAS	24
QLD	132	SA	47	WA	22
ACT	90	PNG	20	NT	8
OVERSEAS	36				

New Members:

We extend a warm welcome to the following members:

Elected 28th June

- Dr. G.T. O'Loughlin, Plant Research Institute, Swan Street, Burnley, Victoria, 3121. Dr. O'Loughlin is currently concentrating on Queensland Fruit Fly in Victoria. His other interests include aphids, particularly in relation to virus transmission, and the apple root borer.
- Mr. M.F. Downes, Zoology Department, James Cook University, Townsville, Queensland, 4811. Mr. Downes has a B.Sc. and is interested in the biology (especially development and dispersal) of the red-back spider, Latrodectus mactans.
- Mr. D.G. Holdom, Entomology Department, University of Queensland, St. Lucia, 4067. Mr. Holdom has an M.Sc. and is a tutor and post-graduate research student. He is interested in insect pathogens (Entomophthora in particular) and aphid biology.
- Mr. W.R. Farnsworth, Agrisearch Services Pty. Ltd., 45 William Street, Orange, New South Wales, 2800. Mr. Farnsworth holds a B.Ag.Sc. and is involved in pesticide research on cotton. He is interested in pest management and insect flight.

- Dr. R. McFadyen, 31 Norman Street, Fig Tree Pocket, Queensland, 4069. Dr. McFadyen is an entomologist with the Queensland Department of Lands where she is involved with the biocontrol of Harrisia cactus and other weeds.

Change of Address: (State of previous residence in brackets)

Dr. S.M. Waladde, I.C.I.P.E., P.O. Box 30772, Nairobi, Kenya (Qld.)

Mr. M. Tichon, Roche-Maag Ltd., P.O. Box 59, Bankstown, New South Wales, 2200 (Qld.)

Mr. C. Perry, P.O. McLaren Flat, South Australia, 5171 (S.A.)

Mr. P.H. Twine, c/o D.P.I., P.O. Box 102, Toowoomba, Queensland, 4350 (U.S.A.)

Dr. W.E. Stewart, Entomology Department, Royal Ontario Museum, 100 Queen's Park, Toronto, Ontario, Canada, M5S 2C6, (N.S.W.)

Dr. C.A. McKenzie, 44 Murray Street, Clapham, South Australia, 5062, (Vic.)

Mr. G.W. Douglas, 12 Atkins Street, Kew Victoria, 3101 (Vic.)

Mr. G. McDonald, Plant Research Institute, Swan Street, Burnley, Victoria, 3121 (Vic.)

Mr. A.S. Molyneux, c/o Department of Tropical Veterinary Science, James Cook University, Townsville, Queensland, 4811 (Qld.)

Mr. K.R. Pullen, c/o 21 Nicholson Crescent, Turner, Australian Capital Territory, 2601 (A.C.T.)

Mr. D. Lake, 40 Pittwater Drive, Windsor Gardens, South Australia, 5087 (S.A.)

Mr. A.L. Yen, Botany Department, Monash University,
Clayton, Victoria, 3168 (Vic.)

Customs Regulation 13A

There has been correspondence between the Executive, the President and the Department of Science and the Environment on the subject of revised guidelines for Customs Regulation 13A. The present position is outlined in a letter from the President published in this News Bulletin.

Presidential Election

Courteney Smithers was re-elected President as a result of the ballot, details of which are given in the minutes of the 10th AGM which appear in this News Bulletin.

11th AGM and 50th ANZAAS

The 11th AGM is to be held at Lyndoch in South Australia prior to the 50th ANZAAS conference in Adelaide. An AGM organising committee has been formed and details of a proposed program are given later in this News Bulletin.

The Executive has agreed that the Society will act as joint sponsor with the Australian Systematic Botany Society for an ANZAAS symposium on "The Evolution of the Flora and Fauna of Arid Australia".

Letter from the President

I would like to make use of this issue of the News Bulletin to thank members for their support and election to a second term as President.

It is abundantly clear that members are still deeply concerned that Regulation 13A has not yet been repealed. It is also clear that this remains a hindrance to progress in the study of our insect fauna and that no amount of rearrangement and change of wording of the "Guidelines" set out for the administration of the Regulation will remove this hindrance.

The Regulation is contrary to basic concepts of the freedom of exchange of research material and places unacceptable conditions on sender and recipient. The Society must continue to work for its repeal.

I have again written to the Minister for Science informing him of the Society's views and pointing out in strong terms that the opinion and requests of entomologists (who are the people really involved, affected and who really know the practical situation) and the major learned societies should not be ignored in favour of the opinion of a few individuals.

Another draft of the "Guidelines" is at present being examined and although an opinion will be given, it will be on the clear understanding that giving that opinion in no way implies approval of Regulation 13A.

C.N. Smithers
President

THE AUSTRALIAN ENTOMOLOGICAL SOCIETY INC.

Minutes of Tenth Annual General Meeting held at Wesley College, Sydney University, New South Wales on 10th January, 1979.

Opening:

The President, Dr. Courtenay N. Smithers, opened the meeting at 4.00 p.m. and welcomed members.

Apologies:

Apologies for absence were received from Dr. T.G. Amos, Dr. T.R. New, Dr. E.J. Brough, Dr. M.T. Tanton, Dr. G. Ettershank, Mr. L.R. Greenup.

Attendance & Proxies:

The President (Chairman), and 36 members (N.S.W. 19, Qld. 4, Vic. 7, A.C.T. 3, S.A. 3). Those present held proxies for 55 members (Qld. 31, N.S.W. 4, A.C.T. 18, Vic. 2). Total votes: 92.

Members stood in silence as a mark of respect to two members who had died since the last meeting: Mr. R.A. Van Baer and Dr. J.R. Willard.

General Announcements:

i) Dr. G.A.C. Beattie acknowledged the assistance of colleagues in Sydney, particularly Mr. I.M. Fletcher and Dr. E. Shipp in organising the Annual General Meeting Scientific Sessions and social events, full programs of which were available to participants.

ii) The President congratulated Mr. A.S. Molyneux on winning the Student Research Paper Award and presented him with the prize.

Minutes of 9 Annual General Meeting:

The minutes of the 9 AGM, having been circulated to members attending the meeting were taken as read and adopted (Dr. D.K. McAlpine/Dr. G.A.C. Beattie).

Matters arising from the Minutes:

Dr. J.W. Evans recommended that members read the excellent summary of events at and following the introduction of Customs Regulation 13A given in a paper by Dr. E.N. Marks at the Informal Conference Section 1 of the 15th International Congress of Entomology, Washington, D.C. 1976 and published in Entomologica Scandinavica 1978, Vol. 9. (A copy of the proceedingsof this Informal Conference has been deposited in the Society's archives).

Annual Report of the Executive:

The Vice-President, Prof. I.W.B. Thornton, presented the Report, and spoke briefly to it. Dr. T.G. Amos had to resign as Secretary because of increased work load and the Assistant Secretary, Dr. P. Williams, was elected by council as the new Secretary. Mr. P. Ridland was appointed by the Executive as the new Assistant Secretary and also as joint News Bulletin Editor. There had been a small increase in membership from 550 members in January 1977 to 574 at the end of 1978. There was a need to change the computer format for the Directory of Entomology in order to minimise printing costs. This alteration was in progress and the Directory should be published during 1979. Prof. Thornton thanked contributors and the News Bulletin Editors for the high standard of the News Bulletin. Regarding Customs Regulation 13A the President would shortly relate the present situation to the meeting.

The Report was adopted (Prof. I.W.B. Thornton/Dr. R.W. Taylor).

Matters arising from the Report of the Executive:

The President told the meeting of the present position regarding Customs Regulation 13A. After some delays, the Department of Science arranged a meeting in October 1978 between officers of the Department representatives of the Society and other interested organisations.

As a result of the discussions it was finally agreed that the meeting recommend to the Minister that if the Minister does not wish to repeal the Regulation at this stage.

i) That a study should be conducted to attempt to determine the effectiveness of the Regulation in increasing the return of holotypes to Australia;

ii) That there should be a review of the matter following the result of that study; and

iii) That pending completion of that review, the guidelines should be amended as soon as possible.

In a letter dated 24th November, 1978 the President was informed that the Minister had indicated to the Senior Assistant Secretary of the Department of Science, Mr. B.B. Free, that any argument for lifting Regulation 13A should be so obvious that any detailed assessment would be unnecessary. The President was also informed that in view of this the guidelines would be reviewed and that he would shortly receive a draft of the revision. Such a revision had not been received and so could not be presented to the AGM.

The President said that it was disappointing that the Minister's decision was effectively contrary to the recommendations of the meeting and that no further assessment was to be made and no review undertaken.

Dr. E.N. Marks said that the Executive should be encouraged in their actions to promote repeal of Customs Regulation 13A and expressed concern that the revised guidelines referred to in Mr. Free's letter could well be the old C.A.M.D. guidelines of 16th December, 1974 which were rejected at the 7th AGM in 1975.

It was then moved by Dr. E.N. Marks, seconded by Dr. B.P. Moore:

"That this meeting endorses the action taken by the Executive regarding Customs Regulation 13A and encourages the Executive to continue its efforts to have the Regulation repealed".

The motion was carried without dissent.

Treasurer's Report:

Dr. J.R.J. French presented a financial statement of the Society's position at present and stated that the books were with the Auditor. He commented that at the previous AGM Mr. C.J. Irvine had suggested that it would be advantageous to invest some Society funds in an interest bearing account. This had been done to the benefit of the Society and Dr. French requested members with any other useful ideas on handling Society funds to contact the Executive. He requested members to use pins or clips to attach subscription cheques to invoices.

Prof. D.S. Kettle said that he noted in the Treasurer's statement that some sustaining associates were unfinancial and asked the Treasurer to comment on the position.

In reply Dr. French said that both Shell and Rohm & Haas had written to him complaining of hard times and saying that subscriptions would be paid when financial conditions improved. He said that accounts were sent to all sustaining associates in December 1978 and that letters would be sent to unfinancial sustaining associates pointing out that they were being advertised in the News Bulletin and Journal and asking them to pay their subscriptions.

Dr. I.P. Griffith asked if the idea of obtaining revenue through advertisements in the Journal had been considered.

The President replied that advertising had been considered but that because of the limited circulation of the Journal it was considered that the revenue obtained would be unlikely to justify the work involved and handling costs.

Dr. B.P. Moore commented that in general organising advertising in the Journal would be more trouble than it would be worth.

Mr. G.R. Brown asked if companies other than those listed had been asked to become sustaining associates of the Society.

The President replied that this had not been done and that it would be necessary to obtain an indication from a company that it might favourably consider such a request before a formal approach was made.

Dr. E.N. Marks commented that many companies were not bouyant at present and that such a method of fund raising was likely to prove unprofitable.

Auditor:

It was agreed (Dr. J.R.J. French/Dr. C.N. Smithers) that D.J. Crichton, Public Accountant, be retained as the Society's Auditor for the 1979/80 financial year.

Announcement of Office-Bearers:

This item was postponed until the end of the meeting.

Location and Nature of 11th Annual General Meeting:

The meeting was told that Council recommended that the 11th AGM be held in South Australia and that details as to timing were to be made by the Organising Committee in conjunction with the Executive. Council tended to favour a country meeting probably in May 1980 to avoid conflict in time with the International Entomological Congress in Japan in August 1980. Ideas on conduct of the scientific session could be sent to the Executive for consideration.

Other Business:

The President told the meeting that Council had decided to ask the New South Wales branch of the Society to form the next Executive in Sydney. He was sure that there would be no problems in meeting this request.

There being no further matter notified for discussion the matter of election of President and Councillors was considered.

Announcement of Office-Bearers:

The President stated that this item had been postponed as a result of problems arising from the need for postal ballots for the positions of President and Regional Councillors for New South Wales.

The Secretary announced the names of members duly elected to Council and of the nominees for the contested positions:

President: (Nominations)
Dr. C.N. Smithers (I.W.B. Thornton/T.G. Amos)
Dr. R.W. Taylor (T.E. Bellas/R.J. Bartell)

Regional Councillors:

Vic.	Mr. A.A. Calder (P. Williams/G.N. Berg) Dr. G. Ettershank (J.R.J. French/P. Williams)
A.C.T.	Dr. R.W. Taylor (T.E. Bellas/R.J. Bartell) Dr. J. Harris (T.E. Bellas/R.W. Taylor)
Qld.	Mr. A.P. Walford-Huggins (R.I. Storey/I.C. Cunningham)
N.S.W.	(Nominations) Dr. G.A.C. Beattie (M.J. Fletcher/E. Schicha) Mr. L.R. Greenup (N.W. Forrester/J.R. Hosking) Mr. D.R. Smith (K.R. Brown/R.V. Gunning)
Tas.	Mrs. M.A. Williams (R.J. Hardy/A. Terauds)
S.A.	Mr. G. Furness (P.J. Bailey/P.E. Madge)
W.A.	Dr. J.D. Majer (S.J. Curry/N. Monzu)
P.N.G.	Dr. E.J. Brough (T.L. Fenner/J.N.L. Stibick)

Representative Councillors:

Entomological Society of Queensland -	Dr. E.M. Exley
Entomological Society of Victoria -	Dr. T.R. New
Entomological Society of Australia (NSW) -	Dr. A.D. Clift
Royal Zoological Society of N.S.W. -	Ms. R.V. Gunning

Dr. B.P. Moore stated that the ballots held for President and New South Wales Regional Councillors were unsatisfactory and revealed serious flaws in the Society's Constitution.

It was then moved by Dr. B.P. Moore, seconded by Dr. E.N. Marks:

"That in view of technical shortcomings that the current ballots for President and New South Wales Regional Councillors had brought to light, the results of these ballots without examination be declared null and void and that, under the Executive, new ballots be held with due safeguards for secrecy and validity of voting and with adequate time intervals for returns".

The motion was carried without dissent.

Dr. D.K. McAlpine cited postal difficulties experienced with the ballot in New South Wales.

The President said that no count of votes had taken place as the Executive had realised that the response of members was being affected by postal difficulties.

The Secretary printed out that the ballot had to be carried out despite anticipated postal problems because of the wording of the constitution and the timing of the AGM in January to align it with ANZAAS in New Zealand. There were a number of clauses in the Constitution which should be reviewed.

Prof. I.W.B. Thornton said that problems had arisen through tying the AES meetings too rigidly to ANZAAS and that a more liberal interpretation of Clause 47 of the Constitution would be appropriate.

Prof. D.S. Kettle said that although his ballot paper had arrived in time with the News Bulletin there were other members who had received their News Bulletin but no ballot papers. He also suggested that it was important that statements from candidates appear with ballots as some members would be unaware of candidates backgrounds and qualifications for office.

Dr. R.W. Taylor requested that the names of the proposer and seconder of nominees be circulated with ballot papers as he had heard of incorrect statements as to his nominators being circulated.

It was then moved by Prof. I.W.B. Thornton, seconded by Dr. R.W. Taylor:

"That a working party be constituted to look into the Society's Constitution and By-Laws to obviate the problems which had arisen in relation to postal ballots along with any other matters as advised by Council."

The motion was carried without dissent.

Dr. R.W. Taylor suggested that the composition of the working party be determined by Council at the 18th Council Meeting to be held at the end of the Scientific Session. Also that the voting problems could best be solved by adjournment of the AGM.

It was then moved by Prof. I.W.B. Thornton, seconded by Ms. M. Schneider:

"That the 10th AGM be adjourned to a date to be fixed at a later date".

The motion was carried unanimously.

Adjournment:

The President then thanked Society Officers, Regional Councillors, Society Representatives and members for their attendance and adjourned the meeting at 5.15 p.m.

Meeting Reconvened:

The Tenth Annual General Meeting was reconvened at the Department of Zoology, LaTrobe University, Melbourne on 28th June, 1979. The Meeting was chaired by the Vice-President, Professor Ian Thornton who opened the meeting at 2.10 p.m. and welcomed members. He then called on the Secretary and Returning Officer, Dr. Peter Williams, to announce the result of the Presidential Ballot.

Dr. Williams announced that the number of votes cast was as follows:

for Dr. Courteney Smithers	163
for Dr. Robert Taylor	75
Informal	2

Consequently Dr. Courteney Smithers was declared elected as President for 1979/80.

Attendance and Proxies at Reconvened Meeting:

The Vice-President (Chairman), and 14 members (Vic.). Those present held proxies for 10 members (Vic. 1, N.S.W. 7, A.C.T. 1, Qld. 1). Total votes: 25.

Closure:

The Vice-President declared the meeting closed at 2.15 p.m.

ENTOMOLOGICAL NEWS AROUND AUSTRALIA

VICTORIA:

Plant Research Institute

Peter Shelden is about to take up duties as Senior Plant Protection Officer in the Division of Plant Standards of the Department of Agriculture. He will be responsible for Queensland Fruit Fly and Argentine Ant control programmes and he will also be involved in the grain insect control programme.

During June, Peter MacQuillan, Department of Agriculture, Tasmania, attended a Victorian Department of Agriculture Conference on Pest and Disease Resistance Breeding. He also spent time at P.R.I. discussing pasture entomology with Paul Vellacott, Sid Erlich, Carl Reinganum and Peter Williams.

National Museum of Victoria

Recent visitors included Tony Watson, C.S.I.R.O. Canberra, who inspected specimens of Synlestes, and John Bishop, Adelaide who discussed environmental problems involving freshwater insects in Northern Territory with Arturs Neboiss.

Arturs recently visited A.N.I.C. to examine the Trichoptera collection and returned with a large number of specimens for further study.

Andrew Calder is visiting the United Kingdom and Eire in September and October and will spend some time at the British Museum examining a number of type specimens in the Elateridae.

G. Ettershank, A.A. Calder

QUEENSLAND:

The new Mareeba D.P.I. laboratory complex was completed in April and the Entomology staff moved in shortly after Easter. Although conditions are still unorganised, the upgrading of facilities should benefit research in North Queensland.

Dick Drew visited the Tablelands area in conjunction with the survey of the Cape York Peninsula area for Oriental and other potential Fruit Fly pests. He had discussions with local D.P.I. officers on future directions for the programme.

Dave Ironside from Nambour visited Mareeba, Julatten and Cairns to examine Macadamia plantations in the area.

Ron Sands visited North Queensland in April.

Dick Sopha from the United States of America passed through Mareeba in March. He was studying insect diseases in various insect orders.

Dr. W. Spillman passed briefly through Mareeba. His attempts at making collections of Chrysididae and microlepidoptera were thwarted by the cyclones in January.

Jim McMurtry visited Mareeba in May. He was interested in collecting predacious mites on citrus and other tree crops.

Geoff Waite from Emerald D.P.I. visited the new laboratories at Mareeba and discussed various entomological projects. Mr. Dick Lloyd from Toowoomba D.P.I. also visited the new laboratories to May.

Ian Lansbury from the Hope Museum, Oxford, stayed for a short time in the Mareeba, Julatten area collecting aquatic Hemiptera.

E.N. Marks, A. Walford-Huggins

NEW SOUTH WALES:

Entomology Branch, B.C.R.I.

Dr. M. Nash, University of Edinbourgh, an authority on fodder conservation visited B.C.R.I. on the 8th May to discuss insect pests of stored cereals and their control.

Max Casimir spent three weeks in the Peoples' Republic of China in May and June as part of a Science Exchange sponsored by the Australian Academy of Science.

Robyn Gunning commenced on the 4th June as an Entomologist based at the Agricultural Research Centre, Tamworth. She is the first woman entomologist in the Entomology Branch and will be working on sorghum midge control and resistance in Heliothis spp.

Max Casimir, Vic Edge, Col Bower, John Hamilton, Andrew Beattie, Steven Goodwin, Grahame Baker, Neil Forrester, Ed Jones, Neil Treverrow, Graham Thwaite and Alan Bishop attended the 3rd Australian Applied Entomological Research Conference held at Gatton, Queensland from 11th to 15th June.

David McAlpine from the Australian Museum visited the taxonomy section on 28th June to examine the diptera collection and classify parts of it.

Noel Gough, D.P.I., Queensland, Mareeba, visited B.C.R.I. on 28th June to discuss the importance of mass rearing and control of white-fringed weevil and pasture/field crop tests with Graham Goodyer.

Mal Georgola from South Africa visited on the 9th July for discussions with John Gellatley and Andrew Beattie about citrus pests. On the 10th to the 12th July he visited Gosford and MIA citrus growing areas with John and Andrew.

National Symposium on Australian Sheep Blowfly and Blowfly Strike

This symposium was held in Sydney, 25th to 27th June, 1979. It was organised jointly by the New South Wales Department of Agriculture and the Australian Wool Corporation and was held in conjunction with the annual Sheep and Wool Refresher Course. It was attended by research workers from State Departments, C.S.I.R.O. and universities, as well as extension officers, pastoralists and people from the chemical industry.

The aim of the Symposium was to get together all those people involved in working on the sheep blowfly and associated problems so that they could discuss current research and management practices and the problems involved in these as pertains to sheep blowfly control.

Potential areas for future research were also discussed.

D. Smith

SOUTH AUSTRALIA:

Waite Agricultural Research Institute, Entomology Department

Professor K.G. Davey, Head of the Department of Biology at York University, Downsview, Ontario, arrived in Adelaide in June to take up the University of Adelaide's invitation to visit the Department of Entomology for some three months as a Distinguished Visiting Scholar. Prof. Davey works on the hormonal physiology of both parasitic nematodes and insects and is providing evidence that the two groups use very similar chemistry to control some of their most fundamental functions. Apart from staff and students in Entomology, members of the Departments of Plant Pathology and Zoology are also deriving great benefit from Prof. Davey's visit.

Dr. M.S. Topping, a Fulbright Fellow, of the Department of Life Sciences, S.W. Missouri University, U.S.A., who specializes in aquatic insects and plankton, visited the Department in March this year.

Miss Cho Hae Wol of the Division of Medical Entomology, National Institute of Health, Seoul, Korea, visited the Department in May in the course of her study tour of Australia.

Mr. P. Ramesh from India took up a post-graduate scholarship under the University Research Grant in April 1979. He is studying possibilities for the integrated control of major insect pests under Prof. T.O. Browning's supervision.

Mr. Andre Beekman, a visiting student from Wageningen, the Netherlands, has completed his 6 months' study program on the infectivity of nuclear polyhedrosis after passage through the gut of a predator, and has returned to his home university in order to complete his higher degree studies.

At the Commemoration Ceremony in May, degrees were conferred on the following students in Entomology:

Dr. Carol McKenzie, for a thesis entitled: "On the ecology of Diaeretiella rapae, primary parasite of the cabbage aphid".

Dr. J.R. Cobbinah, for a thesis entitled: "The biology of food preferences of the gum leaf skeletoniser Uraba lugens (Walker)".

Miss Margaret Evans, the degree of B.Ag.Sc. Hons., for a study on the activities of native dung beetles in South Australia, on which she submitted a thesis.

Dudley Pinnock was a member of the special entomological team participating in the Australia/China Scientific Exchange visit in May 1979.

An Insect Pathology Working Group has been set up for those working in or actively interested in invertebrate pathology or microbial control. Scientists in this category interested in the working group are asked to write to Dr. D.E. Pinnock (Department of Entomology, Waite Institute, Glen Osmond, South Australia, 5064) giving details of their research interests.

Peter Miles, who visited research institutions in the United Kingdom, U.S.S.R., Japan and Zambia, returned from study leave in February 1979.

Roger Laughlin has left to spend his study leave in the United Kingdom and the Netherlands. He is expected to return to Adelaide in early December.

Department of Agriculture and Fisheries

Gordon Pasfield, New South Wales, visited our Adelaide office on 3rd May and discussed argentine ant with Paul Madge and Peter Birks.

Peter Shelden, Plant Research Institute, Victoria, visited out Adelaide office on 17th May and discussed argentine ant with Paul Madge. On 18th May, Peter visited the Northfield Research Laboratories to discuss the symposium on "Insect Pests of Pastures and Field Crops" which is being organised by the Western Victorian Sub-Branch of the Australian Institute of Agricultural Science.

Ike Kawaguchi, Waterman-Loomis, United States of America, visited the Northfield Research Laboratories on 7th May to discuss the lucerne aphid programme with Don Swincer.

Paul Madge, Peter Bailey, Greg Baker, Don Swincer, Geoff Furness and Dennis Hopkins attended the 3rd Australian Applied Entomological Research Conference held at the Queensland Agricultural College at Lawes on 11th to 15th June.

Peter Allen attended the Second Arbovirus Symposium held at Brisbane, 17th to 19th July. During that week he also visited the Queensland Department of Primary Industry Laboratories at Indooroopilly and the New South Wales Biological and Chemical Research Institute, Rydalmere, to discuss research on legume aphids.

Mal Georgala, Outspan Citrus Centre, Nelspruit, South Africa visited the Loxton Research Centre from 16th to 19th July. He was interested in integrated and biological control of red scale, the efficacy and phytotoxicity of narrow range citrus oil sprays and spraying techniques. He also visited the commercial insectary run by Mr. Ron George.

Meeting for South Australian Members

A meeting was held to discuss the venue and programme for the A.G.M. of the Society which will be held in South Australia in May 1980. An Organising committee was elected. Dudley Pinnock addressed the meeting on some of his American work on insect diseases. The meeting was followed by a dinner at the Great Wall Chinese restaurant.

D. Hopkins

WESTERN AUSTRALIA:

Ed Callan of Canberra spent several days recently in Perth on his way to South Africa. He visited James Ridsdill-Smith, C.S.I.R.O. Division of Entomology, to discuss dung beetle and other work in Western Australia, and Terry Houston and Louis Koch at the Western Australia Museum to study the Sphecidae in the collection and to discuss investigations on wasps.

Following the review of the C.S.I.R.O. dung beetle programme in Canberra, Alan Kirk, from the C.S.I.R.O. Montpellier group, and Alan Weaving from Pretoria, spent a few days in Perth discussing the selection of suitable beetles for south west Australia.

Six entomologists from the Western Australia Department of Agriculture participated in the third Applied Entomological Research Conference held at the Queensland Agricultural College in June 1979.

Nick Monzu was an invited speaker at the National Symposium on the sheep blowfly and flystrike on sheep, held in Sydney in June 1979. While in New South Wales, Dr. Monzu visited the Biological and Chemical Research Institute at Rydalmere to discuss and compare notes with Greg Shanahan and Paul Hughes on insecticide resistance in the sheep blowfly, Lucilia cuprina. M.D. Murray from the C.S.I.R.O. McMasters Laboratory, Sydney, visited the Western Australia Department of Agriculture to discuss the results of a recent blowfly survey held in Western Australia in conjunction with the Department. Jack Morschel, Chief of Commonwealth Quarantine, also visited the Department of Agriculture and discussed the recent eradication exercise for the control of warehouse beetle, Trogoderma variabile.

Prof. J. McMurtry, University of California, Riverside, was in Western Australia for four weeks in April collecting predaceous mites on citrus and native flora. He also looked for parasites of almonds in this State.

Congratulations to Brian Oldfield, Western Australian Institute of Technology, for passing his M.Sc. (U.W.A.) which was concerned with acoustic orientation of Teleogryllus oceanicus. Brian is now going on the A.N.U. to continue neurophysiological studies on Orthoptera under Dr. K. Hill.

Barbara York Main of the University of Western Australia recently returned from Papua New Guinea where she had been looking at spiders from soil and litter. On her return she gave an interesting talk on spider biogeography and also aspects of the ecology of mygalomorph spiders.

J.D. Majer

PAPUA NEW GUINEA:

From Wau we have the news that Dr. J.A. McMurtry, an acarologist from University of California at Riverside, visited the Institute during June to collect phytophagous mites. Dr. McMurtry is interested in the ecology and systematics of these mites. Wayne Gagne has recently been collecting on the eastern end of the Saruwaged Mountains on the Huon Peninsula and Lin Gressitt has been to the Arfak and Cyclops mountains in Irian Jaya - also collecting. Yael Lubin has been visiting colleagues in New Zealand for discussions on spider behaviour.

The D.P.I. people have also been getting out and about ... Ted Fenner has recently been to Ok Tedi in the Western Province collecting lepidopterans with Peter Clarke. Jan Greve has just spent a week in Lae and 10 days in Rabaul conducting trials on container shipments of cocoa and coffee. Jan is also setting up a paddy storage loss assessment project in Bereina. Stuart Smith is presently away for 2 weeks in the North Solomons looking at insect problems in cocoa. Stuart has prepared a paper that will be presented for him at the Cocoa Research Conference in the Kamaroons Republic in November of this year. Brian Thistleton and Fred Dori, together with Elaine Brough from UPNG, attended the Australian Applied Entomological Research Conference in Queensland in June. All three found the conference, with its specialists' evening sessions, of great value even though the weather was a wee bit chilly. Brian is at present on leave in the United Kingdom where he intends to visit Philip Entwistle and other colleagues. He will return via AURDC in Taiwan where he will discuss the work being done on the granulosis virus of Plutella xylostella.

Philip Spradbery from the screw worm fly unit reports that during a recent dispersal trial, egg masses were recovered from sentinel steers in the Moresby area after a release of labelled flies at Kapakapa - a distance of 51.5 km.

E.J. Brough

NEWS FROM AFFILIATED SOCIETIES

Royal Zoological Society of New South Wales

For some time it has been obvious that there is in Sydney a real need for a body to be run for, and run by, people genuinely interested in insects and their close relatives so that there can be a free interchange of points of view and information. As our idea of entomology does not include the study of pesticides it is not intended to cater for people interested in that field which, in any case, is already well catered for elsewhere.

At the Annual General Meeting of the Entomology Section, Royal Zoological Society of New South Wales on 10th July last it was decided to make changes in policies, activities and officers of the Section to enable it to carry out these objectives more adequately. Meetings will be reduced to one every second month and a circular will be available to all thos wishing to receive it. The following officers were elected for the term 1979/80: Messrs. C.E. Chadwick (Chairman), M.S. Moulds, R.H. Mulder (Hon. Treasurer) and G.A. Williams (Hon. Secretary).

A meeting was held on 14th August, at which the chairman reported on progress in reorganisation made by the elected officers during the preceding month.

Geoff Williams then spoke about his work on the Scarabaeinae, dealing with their classification, habits and distribution, especially on the Lower North Coast. Trapping techniques used in collecting were also demonstrated and a number of named species exhibited.

Max Moulds discussed Australian Hawk Moths, of which there are about 60 species. He described his research on the biology of several species, correlation of larvae with adults, and illustrated eggs, larvae and adults of several species with colour slides and specimens.

Steve Nitikin exhibited a specimen and literature on the long-lived migratory death's head hawk moth, Acherontia atropos L., an inhabitant of the Northern Hemisphere.

Rudy Mulder demonstrated a representative collection of insects taken from Goonoo State Forest, near Dubbo.

C.E. Chadwick

Publication on Heliothis spp.

"Economic Thresholds and Sampling of Heliothis species on Cotton, Corn, Soybeans and Other Host Plants" is a Southern Co-operative Bulletin (No. 231) compiled by a committee chaired by Professor Winfield Sterling.

"The bulletin presents the first comprehensive overview of information relative to economic thresholds of Heliothis spp., and the factors affecting the threshold level. This information will further contribute to understanding and, hopefully, managing these pest species" - L.O. Warren (Introduction).

Contents

1. Introduction.
2. Economic Thresholds: Concepts and Techniques.
3. Heliothis species in Short-Season Cottons in Texas.
4. Economic Thresholds of Heliothis species on Indeterminate Cottons.
5. Economic Thresholds of Heliothis species on Corn.
6. Economic Thresholds of Heliothis species in Sorghum.
7. Economic Thresholds of Heliothis species on Tobacco.
8. Economic Thresholds of Heliothis species on Soybeans.
9. Economic Thresholds of Heliothis species in Peanuts.

10. Computer Simulation for Establishing Economic Thresholds.
11. Sequential Decision Sampling.
12. Point Sample Scouting.
13. Adult Sampling.
14. Sampling Predators and Parasites of Heliothis species on Crops and Native Host Plants.
15. Sampling Heliothis species on Native Host and Field Crops Other Than Cotton.
16. The Role of Sampling in Future Pest Management Systems.

Single copies of this publication may be obtained by writing to: Agricultural Communications, Texas A & M University, College Station, Texas 77 843, U.S.A. Multiple copies may be purchased from the same source at US$1.60 each.

11th Annual General Meeting and Scientific Meeting

At a meeting of the South Australian members of the Australian Entomological Society on 9th May, 1979, a committee of five was elected to begin planning for the 11th AGM to be held in South Australia in May 1980. The committee members are: Dr. F.D. Morgan (Convenor), Mrs. P. Greenslade, Dr. B. Hutson, Mr. P. Birks and Mr. D. Hopkins.

This committee met on 24th May and discussed a venue and other details for the 11th AGM and drew up the following tentative plans:

Dates: 9th-11th May, 1980
Venue: Barossa Motel, Lyndoch

Programme as follows:

Friday, 9th May	morning	- Registration
	afternoon	- Scientific session
	evening	- Free

Saturday, 10th May	morning	- Scientific session
	afternoon	- AGM
	evening	- Dinner
Sunday, 11th May	morning	- Scientific session
	afternoon	- Winery tour

Travel arrangements: Buses will be chartered to take delegates to and from the Barossa Motel.

ANZAAS Jubilee Congress

The AES is acting as a co-sponsor of a symposium "The Evolution of the Flora and Fauna of Arid Australia" to be held in Adelaide on Thursday, 8th, and Friday, 9th May, 1980.

Student Research Award 1980

Purpose: To encourage interest in entomology by students in Australia.

Number offered: One Award at intervals of approximately 12-18 months.

Value: A cash award of $25, registration and accommodation at a general scientific meeting of the Society, and return air fare from the student's usual place of residence to the meeting. The next meeting of the Society is scheduled to be held in Lyndoch, South Australia in May 1980 prior to the ANZAAS Jubilee Congress in Adelaide.

Eligibility: Open to full time bone fide students.

The Award will be made for the best paper reporting original entomological research conducted by the entrant prior to, or within two year's of, gaining his/her first degree.

It will be judged by a committee appointed by the Executive. The paper should be in a form suitable for presentation within 15 minutes to an audience of general entomologists. The winner is expected to read his/her paper and receive the Award in person at the scientific meeting held in that year.

Application: Application forms may be obtained from the Secretary, Australian Entomological Society Inc., Plant Research Institute, Swan Street, Burnley, Victoria, 3121.

For the 1980 Award, Research Papers should be typed and three copies should reach the Secretary no later than 29th February, 1980. The Executive reserves the right to withhold the Award if in the opinion of the judges there is no entry of sufficient merit.

AUSTRALIAN BIOLOGICAL RESOURCES STUDY - PARTICIPATORY PROGRAM: REGISTRATION

The Advisory Committee for the Australian Biological Resources Study has decided to compile a register of persons interested in taking part in its Participatory Program. The register is designed to assist the Committee with the determination of priorities and to reduce unnecessary effort in preparing detailed submissions.

The Participatory Program will provide funds for selected studies of the Australian flora and fauna. It is a successor to the ABRS Interim Council grants scheme. Both professional and amateur naturalists are eligible to register.

Copies of an explanatory circular, which includes a Registration Form, are available from the Secretary of the A.E.S. Further information is available from the Director, ABRS, Department of Science and the Environment (contact officer: Mrs. J. Nott, phone 062 83 2675), from whom additional copies of the registration form may be obtained.

N.B. Please do not use photocopies of forms for registration.

Request for Specimens

Mr. Mark Harvey, Department of Zoology, Monash University, Clayton, Victoria, 3168, is revising the Australasian Pseudoscorpion genus Synsphyronus. He would like to hear from anybody who collects, or is willing to collect, Pseudoscorpions and who would donate material for his study. He is willing to return specimens of other genera identified as far as possible.

Corrections to Minutes of 9th AGM as printed in News Bulletin Volume 15, Part 1, February 1979

page 13 Dr. R.W. Taylor was nominated by Dr. Key, not Dr. Kay.

page 15
line 5 should read Dr. Key, not Dr. Kay.

Addresses Unknown

Would any person knowing the current addresses of the following members please contact the Secretary:

Ms. P.G. Muir - formerly of Rockhampton, Queensland
Dr. W.W.C. Ma - formerly of St. Lucia, Queensland
Mr. D.S. Lester - formerly of Coogee, New South Wales
Mr. Thein Tan - formerly of Ashbury, New South Wales
Mr. I.J. Lewis - formerly of Lismore, New South Wales
Mr. G. Ellis - formerly of Taroona, Tasmania
Mr. G. Griffith - formerly of Armidale, New South Wales
Mr. R. Zietek - formerly of Brisbane, Queensland
Mr. S. Whitelaw - formerly of Armidale, New South Wales
Mr. G.B. Smith - formerly of Sydney, New South Wales
Ms. G. Stephens - formerly of Broken Hill, New South Wales
Mr. P. Sayer - formerly of Dalby, Queensland

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Articles, Notes, Letters to the Editor and other material for the News Bulletin should be sent to the News Bulletin Editor.